

Connectorized Amplifier

NEW!

ZX60-3018G

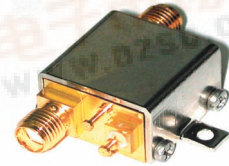
50Ω, 20 MHz to 3 GHz

Features

- Wide Bandwidth, 20 MHz to 3 GHz
- Low Noise Figure, 2.7 dB Typ.
- Output Power, Up to 12.8 dBm Typ.

Applications

- Buffer Amplifier
- Cellular
- PCS
- Lab
- Instrumentation
- Test Equipment



CASE STYLE: GC957
PRICE: \$49.95 ea. QTY (1-9)

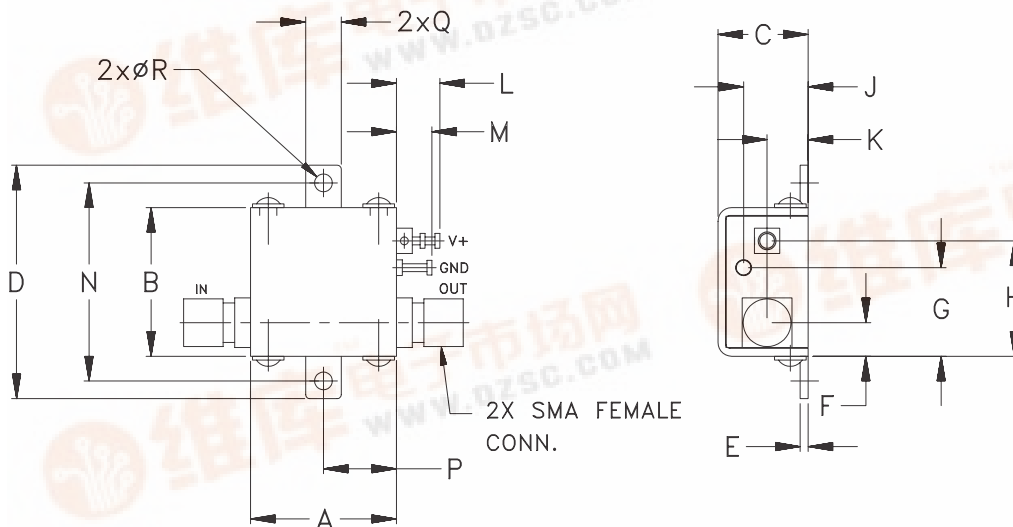
Electrical Specifications at T_{AMB} = 25°C

MODEL NO.	FREQ. (GHz) $f_L - f_U$	DC VOLTAGE @ Pin V+ (V)	GAIN over frequency in GHz Typ (dB)					MAXIMUM POWER (dBm) Output (1 dB Comp.) Typ. $f_L - f_U$		DYNAMIC RANGE		VSWR (:1) Typ.		ACTIVE DIRECTIVITY (dB) Isolation-Gain Typ.	DC OPERATING CURRENT @ Pin V+ (mA)	
			0.1	1.0	2.0	3.0	Min.at 2 GHz	NF (dB) Typ.	IP3 (dBm) Typ.	In	Out	Typ.	Typ.		Max.	
ZX60-3018G	0.02-3	12.0	22.8	21.9	20.3	18.8	18.0	12.8	10.2	2.7	25.0	1.3	1.4	2-6	34	45

Maximum Ratings

Operating Temperature	-45°C to 85°C
Storage Temperature	-55°C to 100°C
DC Voltage	12.5V
Input Power(no Damage)	13dBm
Power	0.7W

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	wt.
.74	.75	.46	1.18	.04	.17	.45	.59	.33	.21	.22	.18	1.00	0.37	.18	.09	grams
18.8	19.1	11.6	30.0	1.0	4.3	11.4	14.9	8.3	5.3	5.6	4.6	25.4	9.4	4.6	2.3	23.0



Typical Performance Data & Curves at 25°C

ZX60-3018G

FREQUENCY (MHz)	GAIN (dB)	DIRECTIVITY (dB)	VSWR IN (:1)	VSWR OUT (:1)	POWER OUT @1dB COMPRESSION (dBm)	IP3 (dBm)	NF (dB)
20	22.58	2.30	1.16	1.32	12.80	25.61	2.92
50	22.75	2.12	1.15	1.27	13.05	25.87	2.66
100	22.76	2.00	1.15	1.25	12.94	25.89	2.61
351	22.61	2.22	1.18	1.27	12.92	25.39	2.69
500	22.42	2.36	1.21	1.29	12.94	25.26	2.72
663	22.28	2.61	1.25	1.33	12.88	25.39	2.66
866	21.83	3.17	1.30	1.33	12.73	25.67	2.69
1000	21.83	3.03	1.31	1.39	12.76	25.66	2.64
1168	21.52	3.35	1.34	1.42	12.69	25.66	2.60
1378	21.16	3.74	1.38	1.46	12.51	25.64	2.59
1500	20.97	3.85	1.40	1.47	12.41	25.45	2.59
1671	20.60	4.23	1.41	1.47	12.15	25.80	2.60
1863	20.39	4.54	1.40	1.50	12.16	25.64	2.62
2000	20.22	4.66	1.40	1.51	11.89	25.08	2.63
2174	20.04	4.83	1.40	1.51	11.72	24.67	2.62
2376	19.76	5.15	1.39	1.49	11.39	23.90	2.61
2500	19.56	5.46	1.38	1.48	11.25	23.54	2.58
2668	19.26	5.50	1.37	1.48	10.65	22.94	2.60
2879	18.97	5.83	1.35	1.46	10.42	22.62	2.61
3000	18.78	6.14	1.34	1.45	10.09	22.36	2.64

